IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

NEAL J. MILLER WILLIAM JERRY PARKINSON RONALD E. SMITH

Serial No.:

Filing Date: January 18, 2002

Examiner:

Continuation-In-Part of Application

ART UNIT:

Serial No. 09/357,339

filed July 14, 1999

Title: SYSTEM AND PROCESS FOR SEPARATING

MULTI PHASE MIXTURES USING THREE PHASE CENTRIFUGE AND FUZZY LOGIC

Docket No. Miller 01-01

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56 January 18, 2002

BOX PATENT APPLICATION Commissioner of Patents Washington, DC 20231

Sir:

The citations listed on the accompanying Form PTO/SB/08, copies attached, may be material to the examination of the subject application and are therefore submitted in compliance with the duty of disclosure defined in 37 CFR §§1.56, 1.97 and 1.98.

This Information Disclosure Statement under 37 CFR §§1.56, 1.97 and 1.98 is not to be construed as a representation that a search has been made, that additional material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art under 35 USC §102.

It is requested that the above citations be made of record, if appropriate, in the prosecution of this application.

Respectfully submitted:

Stephen M. Gratton, Registration No. 28,418

Attorney of Record

2764 South Braun Way Lakewood, CO 80228 Telephone: 303 989 6353

FAX: 303 989 6538



CERTIFICATE OF MAILING BY "EXPRESS MAIL"

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Date of Signature

Stephen A. Gratton, Attorney for Applicants

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1c997 U.S. PTO 10/051324

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BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The following sections are being submitted for this Information Disclosure Statement:

		and a substitution of the
1.	<u>x</u>	Preliminary Statements.
2.	x	FORM PTO SB/08
3.		Statement As to Information Material to Examination Not Found in Patents or Publications.
4.	x	Identification of Prior Application in Which Listed Information Was Already Cited and For Which No Copies are Submitted Or Need be Submitted.
5.		Cumulative Patents or Publications.
6.		Copies of Listed Information Items Accompanying This Statement.
7.		Concise Explanation of Non-English Language

- 8. ____ Translation(s) of Non-English Language Documents.
- 9. <u>x</u> Identification of Person(s) Making This Information Disclosure Statement.

Section 1. Preliminary Statements

1

Applicants submit herewith patents, publications or other information of which they are aware which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has made (37 C.F.R. 1.56 (g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

Section 2. Identification of Person(s) Making This INFORMATION DISCLOSURE STATEMENT

	person making the inver	ntor(s) who signs below
		SIGNATURE OF INVENTOR
		Name of Inventor
(b)	_x_ the attor	rney who signs below on the basis of:
		the information supplied by the inventor(s)
		an individual associated with the filing and prosecution of this application (37 CFR 1.56(c))
	x	the information in the attorney's file.

Section 3. Identification of Prior Application In Which Listed Information Was Already Cited and For Which No Copies are Submitted or Needed Be Submitted.

This application relies, under 35 U.S.C. 120, on the earlier filing date of US application serial no. 09/357, 339 filed on July 14, 1999 entitled "AUTOMATICALLY CONTROLLED THREE-PHASE CENTRIFUGE AND METHOD FOR SEPARATING MULTI PHASE MIXTURES". The attached list of references were submitted to and/or cited by the Office in the prior application and, therefore, are not required to be provided in this application pursuant to 37 CFR §1.98(d).

MILLER 01-01 PAGE 2

DATED this 18th day of January, 2002.

Respectfully submitted:

Stephen A. Grafton

Registration No./28,418 Attorney for Applicants

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(303) 989 6538

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Stephen A. Gratton, Afterney for Applicants

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	
Filing Date	January 18, 2002
First Named Inventor	NEAL J. MILLER et al.
Group Art Unit	
Examiner Name	

Attorney Docket Number	Miller	01-0
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	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	U.S. Patent Document Kind Code ² Number (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	A	5,306,226	T	Miyano et al.	4/26/1994		
	В	5,899,844		Eberle, Sr.	5/4/1999		
	C	5,857,955		Phillips et al.	1/12/1999		
	D	4,299,353		Bruning et al.	11/10/1981		
	E	5,948,271		Wardwell et al.	9/7/1999		
	F	5,156,751		Miller	10/20/1992		
	G	3,623,656		Lavanchy	11/30/1971		
	H	6,063,292		Leung	5/16/2000		
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	FOREIGN PATENT DOCUMENTS								
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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taminer tials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2		
1	A	PARKINSON, WILLIAM J. et al., "A Fuzzy Controlled Three-Phase Centrifuge for Waste Separation", May 1998, pgs. 1-6. Paper presented at the World Automation Congress in Anchorage, Alask	ā.		
PARKINSON, WILLIAM J. et al., "A Fuzzy Control System B Three-Phase Oil Field Centrifuge", August 1998, pgs 1- Paper presented at the 2nd international conference for					
		Engineering Design and Automation (EDA).			
	С	PARKINSON, WILLIAM J., "Fuzzy and Probabilistic Control Techniques Applied to Problems of the Chemical Process Industries", thesis, July 2001, Los Alamos National Laboratory			
		Los Alamos, New Mexico, pgs 1-364.			
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